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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,720	12/16/2003	Tokio Miyasita	030712-20	3461
22204 7	7590 04/19/2006		EXAMINER	
NIXON PEABODY, LLP 401 9TH STREET, NW			JACKSON, BLANE J	
SUITE 900	EE1, INW		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20004-2128			2618	
		,	DATE MAILED: 04/19/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    10/735,720		Application No.	Applicant(s)				
Blane   Jackson   2518	Office Action Summan	10/735,720	MIYASITA ET AL.				
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of term style a serialism under the provisions of 3 CFR 1.136(s). In or over, however, may a cept be timely filed the provision of Claims  4) □ Claim(s) is/are pending in the application is non-final.  3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) □ Claim(s) is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are objected to by the Examiner.  10) ☑ The drawing(s) filed on 16 December 2003 is/are: a) ☑ accepted or b) □ objected to by the Examiner.  Application Papers  9) □ The specification is objected to by the Examiner.  10) ☑ The drawing(s) filed on 16 December 2003 is/are: a) ☑ accepted or b) □ objected to by the Examiner.  Application Papers  9) □ The oath or declaration is objected to by the Examiner.  10) ☑ The drawing(s) filed on 16 December 2003 is/are: a) ☑ accepted or b) □ objected to by the Examiner.  Application Papers  9) □ The drawing(s) filed on 16 December 2003 is/are: a) ☑ accepted or b) □ objected to by the Examiner.  10) ☑ The drawing(s) filed on 16 December 2003 is/are: a) ☑ accepted or b) □ objected to by the Examiner.  10) ☑ The drawing(s) filed on 16 December 2003 is/are: a) ☑ accepted or b) □ objected to by the Examiner.	Office Action Summary	Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - and STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - and STATUTORY (8) MONTHS from the mailing date of this communication.  - If No pariod cripply is specified above, the maximum statutory period will be part and statutory end of the part of the communication, even if firmly filed, may reduce any common plates turn adjustment. See 37 GFR 1.704(b).  Status  1)  Responsive to communication(s) filed on 16 December 2003.  2a)  This action is FINAL.  2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s)  is/are pending in the application.  4a) Of the above claim(s)  is/are withdrawn from consideration.  5)  Claim(s)  is/are allowed.  6)  Claim(s)  is/are allowed.  6)  Claim(s)  is/are rejected.  7)  Claim(s)  is/are rejected to.  8)  Status  S			_ · · · ·				
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Eletanism of time may be available under the provides of 37 CFR 1.75(a). In no event, however, may a reply be timely find after 53K (b) MONTHS from the mailing date of this communication.  Failur to reply vectored by the Office their than three months after the mailing date of this communication.  Failur to reply vectored by the Office their than three months after the mailing date of this communication, even if timely filed, may reduce any semied planet to manifestation for Tork (b).  Status  1) ■ Responsive to communication(s) filed on 16 December 2003.  2a) □ This action is FINAL.  2b) □ This action is non-final.  3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) □ Claim(s) □ is/are pending in the application.  4a) Of the above claim(s) □ is/are withdrawn from consideration.  5) □ Claim(s) □ is/are allowed.  60 □ Claim(s) □ is/are rejected.  7) □ Claim(s) □ is/are rejected to.  80 □ Claim(s) □ is/are objected to.  80 □ Claim(s) □ is/are objected to.  80 □ Claim(s) □ is/are sobjected to by the Examiner.  10) □ The psecification is objected to by the Examiner.  10) □ The drawing(s) filed on 16 December 2002 is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abovance. See 37 CFR 1.85(a).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ Copies of the priority documents have been received in Application No. □ .  1. □ Certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
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## **DETAILED ACTION**

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-4, drawn to a variable gain amplifier, classified in class 330, subclass 254.
- II. Claims 5-20 and 22-33, drawn to an AM modulated signal reception circuit, classified in class 455, subclass 334.
- II. Claim 21, drawn to a preamplifier with specific biasing circuit, classified in class 330, subclass 261 and 455, subclass 270.

The inventions are distinct, each from the other because of the following reasons:

In the instant case Inventions I, II and III are directed to related products. The related inventions are distinct if the inventions as claimed do not overlap in scope, i.e., are mutually exclusive; the inventions as claimed are not obvious variants; and the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect. See MPEP § 806.05(j). In the instant case, Group I is concerned with a differential amplifier comprising circuit components to vary the gain. Group II is concerned with the functional sections of an AM receiver. Group III is directed to the biasing method to the input terminals of a differential preamplifier.

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Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J. Jackson whose telephone number is (571) 272-7890. The examiner can normally be reached on Monday through Friday, 9:00 AM-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BJJ

EDWARD F. URBAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600